

**Federal Communications Commission**

**§ 73.333**

modulated subcarrier in the baseband range of 23 kHz to 53 kHz shall not exceed 45%.

(ii) When a signal exists in only one channel of a stereophonic sound transmission having more than one stereophonic subcarrier in the baseband, the modulation of the carrier by audio components within the audio baseband range of 23 kHz to 99 kHz shall not exceed 53% with total modulation not to exceed 90%.

(b) Stations not transmitting stereo with the method described in (a), must

limit the main carrier deviation caused by any modulating signals occupying the band 19 kHz  $\pm$ 20 Hz to 125 Hz.

(c) All stations, regardless of the stereophonic transmission system used, must not exceed the maximum modulation limits specified in §73.1570(b)(2). Stations not using the method described in (a), must limit the modulation of the carrier by audio components within the audio baseband range of 23 kHz to 99 kHz to not exceed 53%.

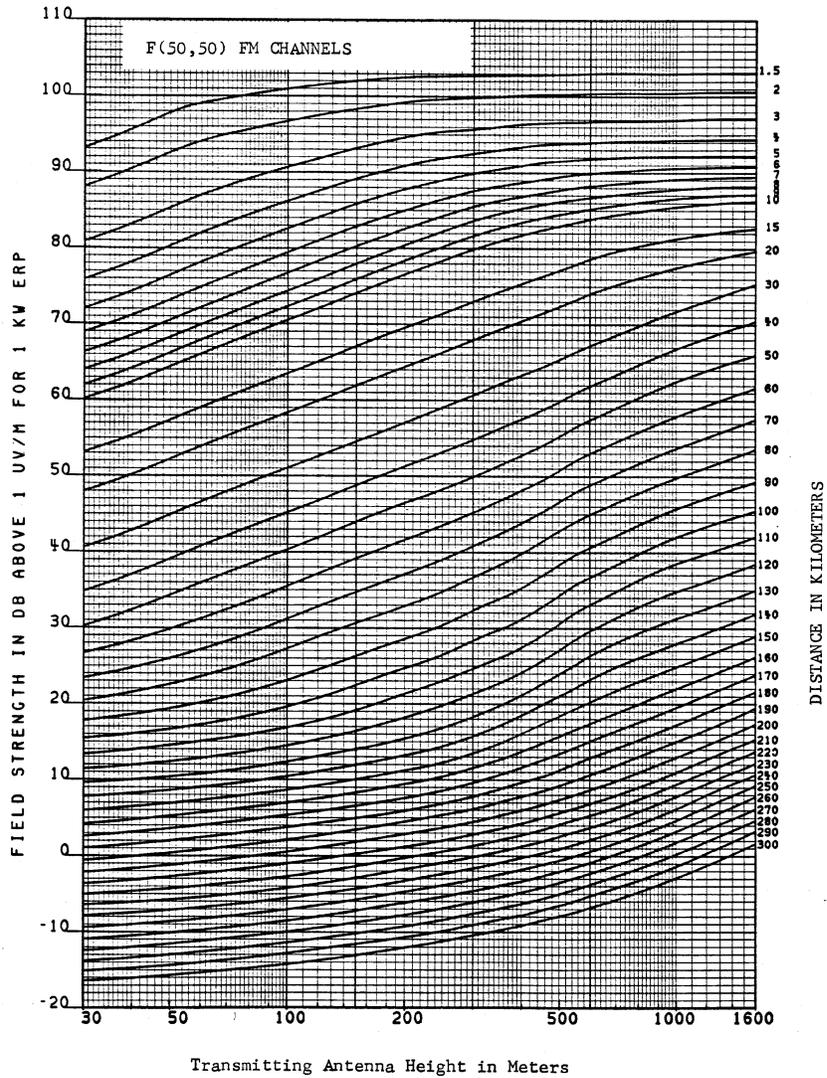
[51 FR 17029, May 8, 1986]

**§ 73.333 Engineering charts.**

This section consists of the following Figures 1, 1a, 2, and slider 4 and 5.

NOTE: The figures reproduced herein, due to their small scale, are not to be used in connection with material submitted to the F.C.C.

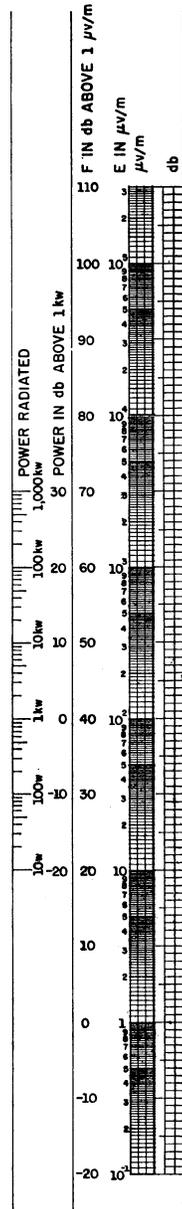
C16

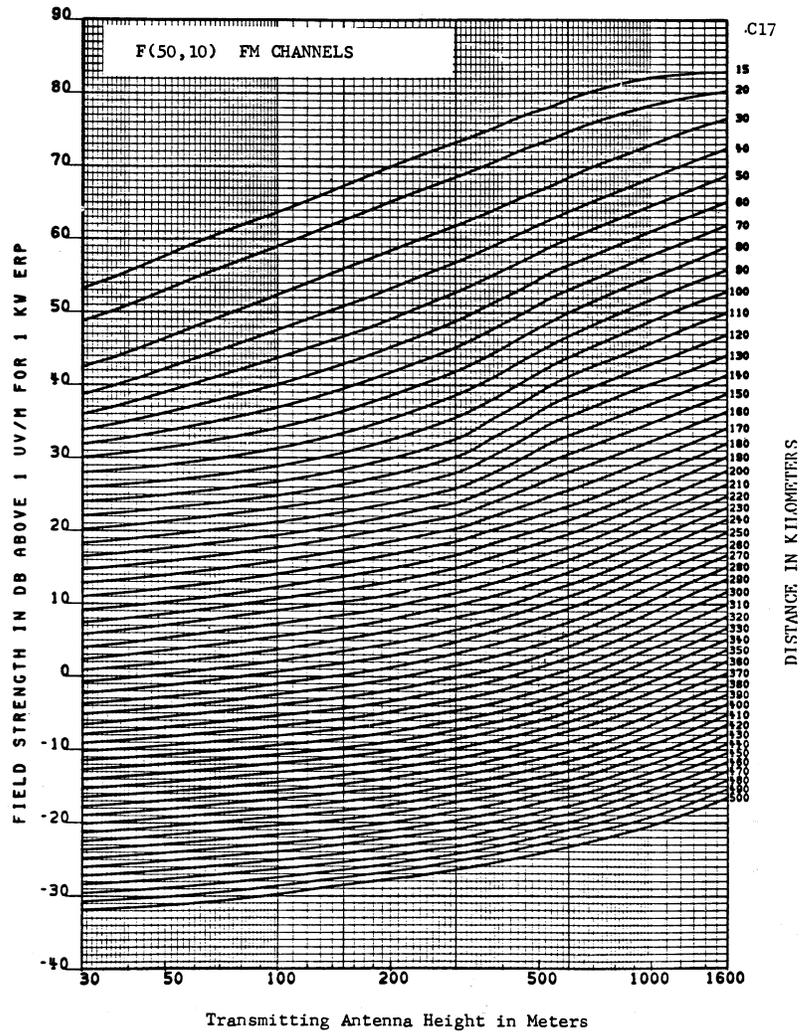


FCC § 73.333 FIGURE 1

FM CHANNELS  
ESTIMATED FIELD STRENGTH EXCEEDED AT 50 PERCENT  
OF THE POTENTIAL RECEIVER LOCATIONS FOR AT LEAST 50 PERCENT  
OF THE TIME AT A RECEIVING ANTENNA HEIGHT OF 9 METERS

Sliding Scale for use with Figure 1, § 73.333





FCC §73.333 FIGURE 1a

**FM CHANNELS**  
 ESTIMATED FIELD STRENGTH EXCEEDED AT 50 PERCENT  
 OF THE POTENTIAL RECEIVER LOCATIONS FOR AT LEAST 10 PERCENT  
 OF THE TIME AT A RECEIVING ANTENNA HEIGHT OF 9 METERS

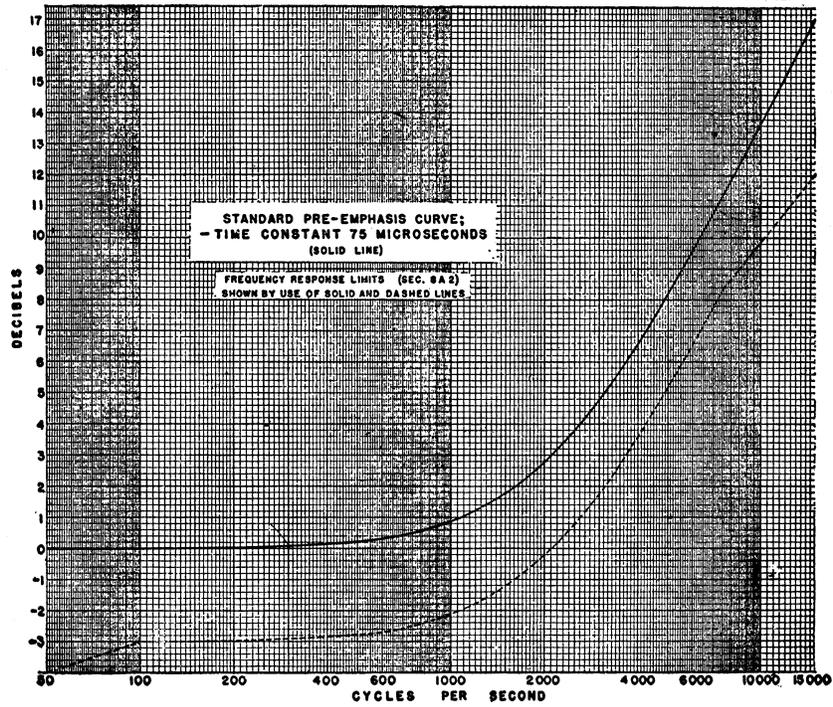
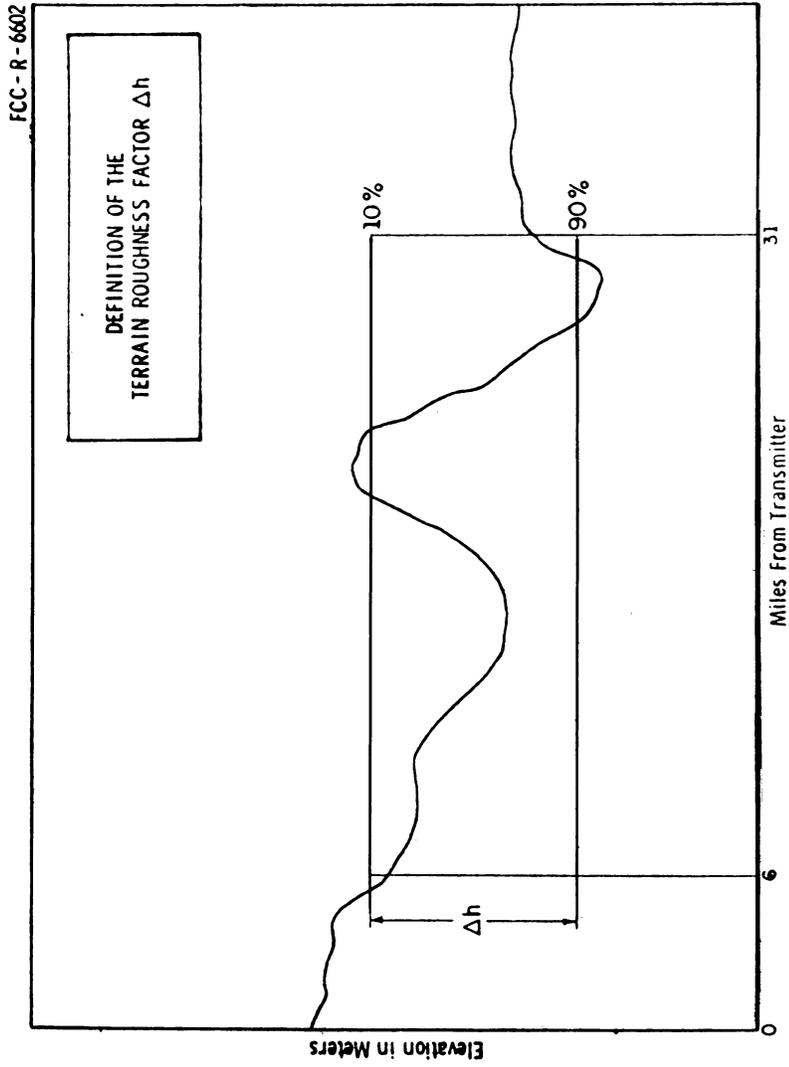
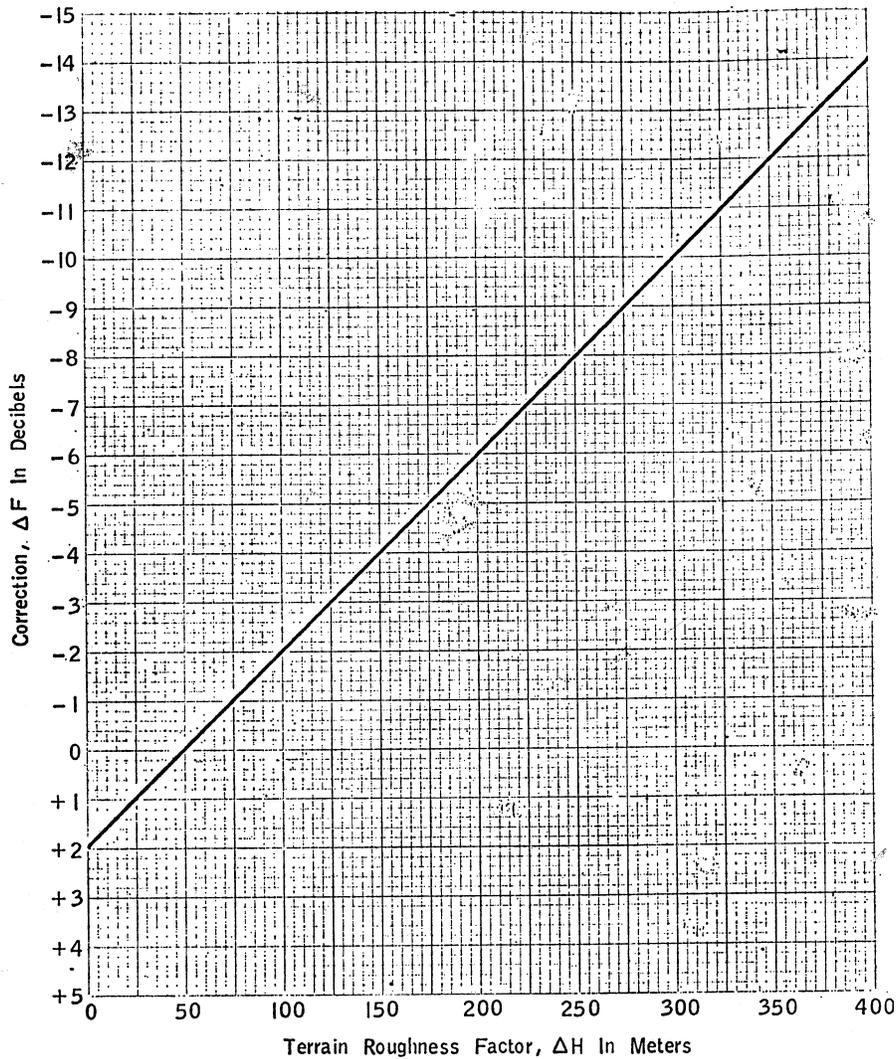


FIGURE 2



FCC § 73.333 FIGURE 4  
(new)



**TERRAIN ROUGHNESS CORRECTION**  
for use with estimated FM F(50,50) and F(50,10) field strength curves

**FCC §73.333 FIGURE 5**

(Secs. 4, 5, 303, 48 Stat., as amended, 1066, 1068, 1082 (47 U.S.C. 154, 155, 303))  
[28 FR 13623, Dec. 14, 1963, as amended at 35 FR 2591, Feb. 5, 1970; 40 FR 27679, July 1, 1975;  
45 FR 28141, Apr. 28, 1980; 48 FR 29508, June 27, 1983; 49 FR 19670, May 9, 1984]

EFFECTIVE DATE NOTE: At 42 FR 25736, May 19, 1977, in §73.333, the effective date of Figures 4 and 5 was stayed indefinitely.